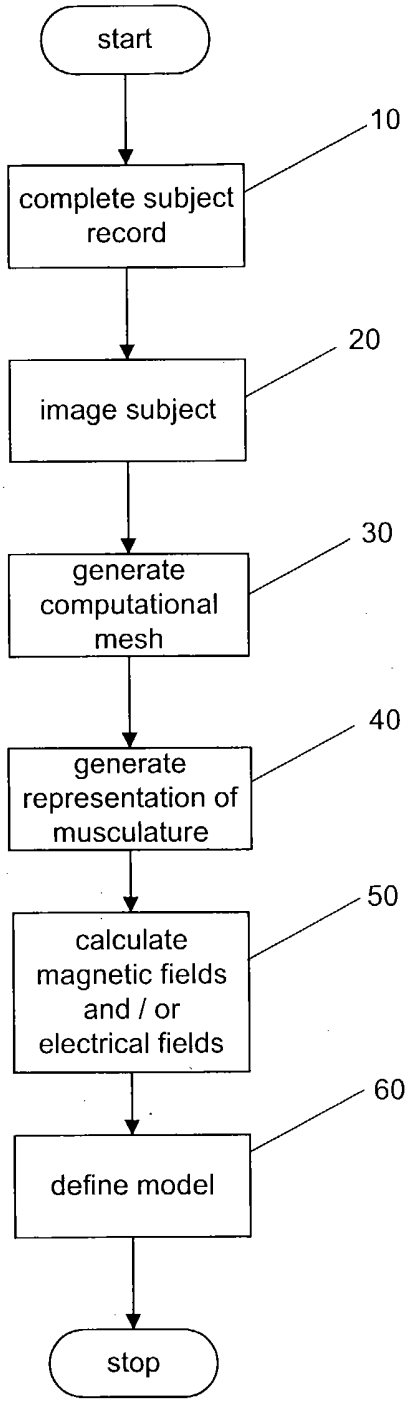
start
10
complete subject record
20
image subject
30
generate computational mesh
40
generate representation of musculature
50
calculate magnetic fields and / or electrical fields
60
define model
stop

FIGURE 1

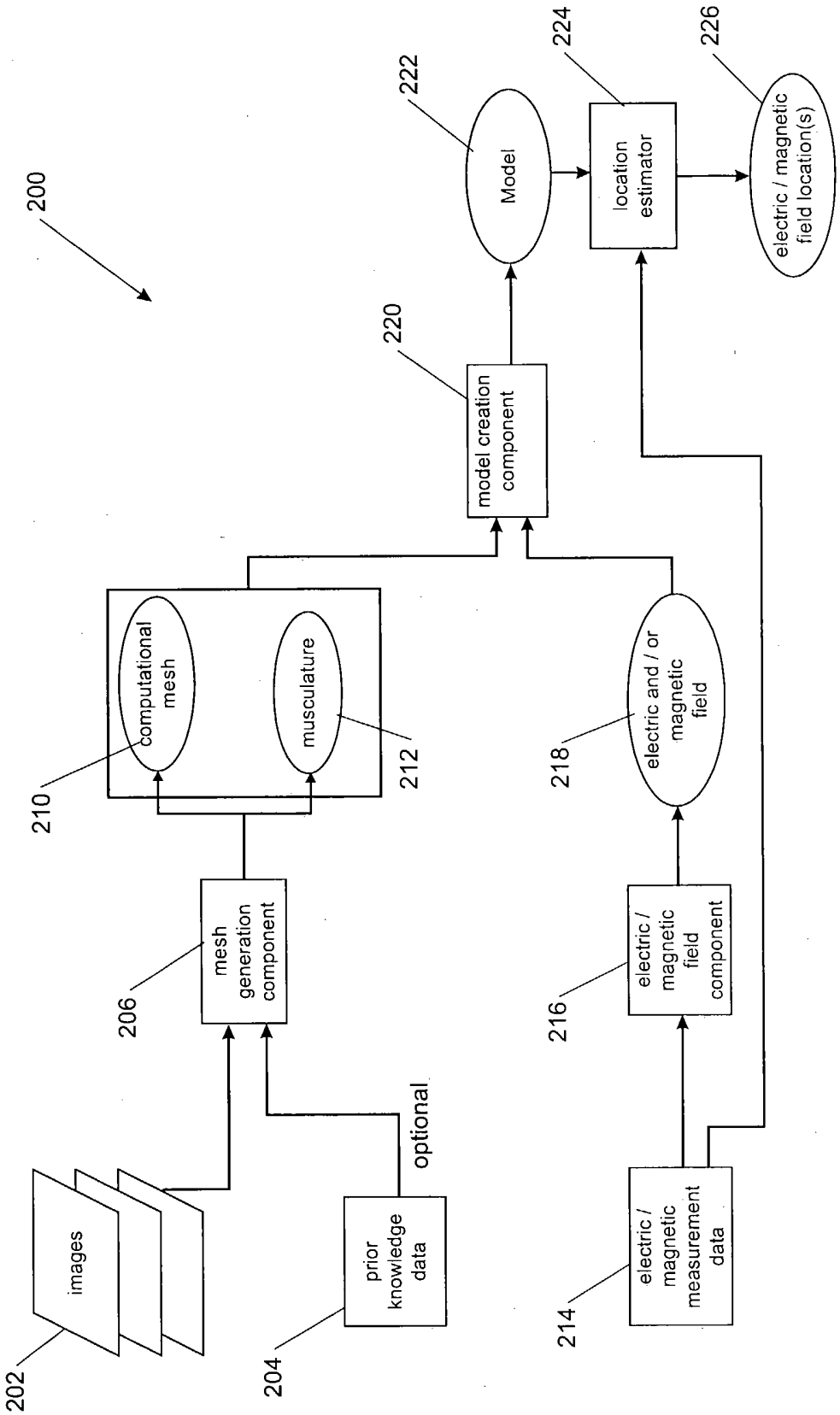
200
202
images
204
prior knowledge data
optional
206
mesh generation component
210
computational mesh
musculature
212
220
model creation component
222
Model
224
location estimator
226
electric / magnetic field location(s)
214
electric / magnetic measurement data
216
electric / magnetic field component
218
electric and / or magnetic field

FIGURE 2

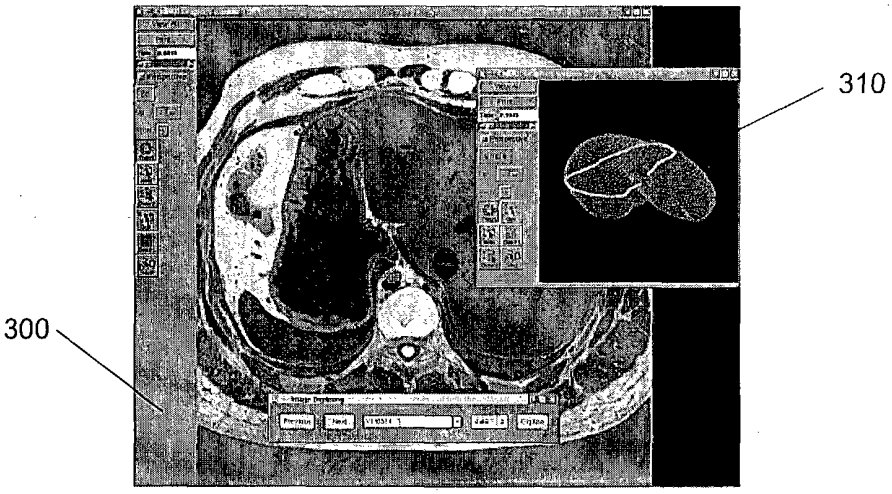

FIGURE 3

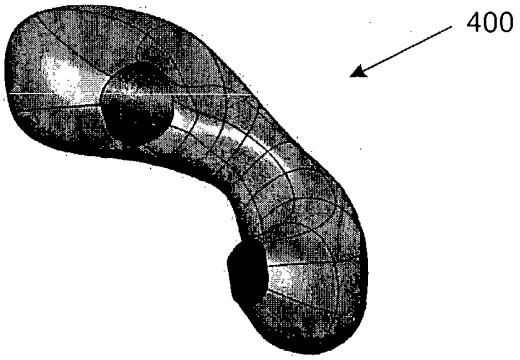

FIGURE 4

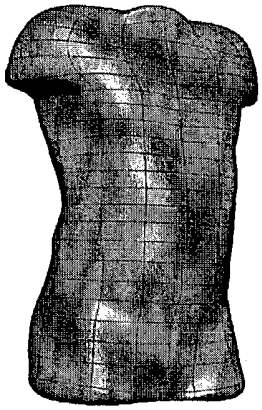

FIGURE 5

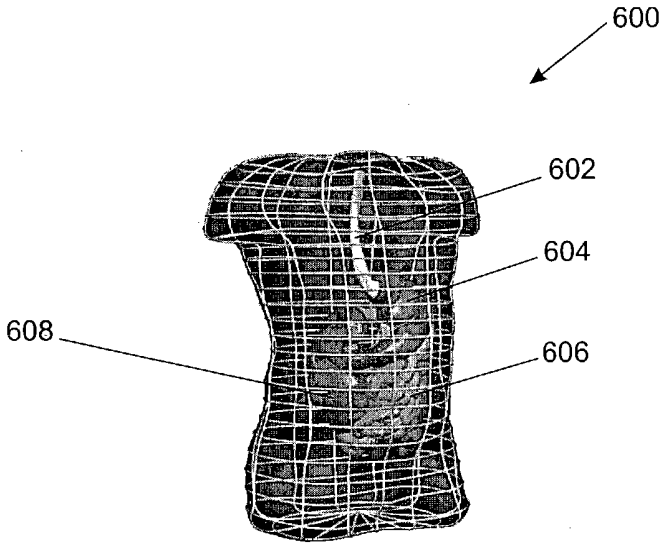

FIGURE 6

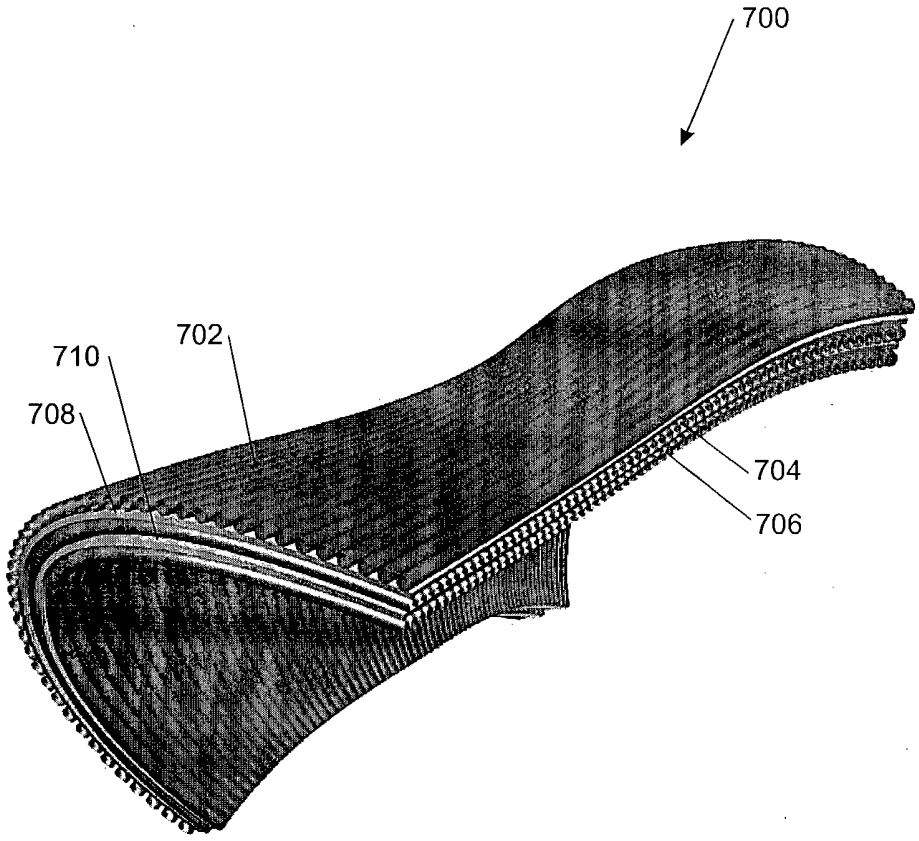

FIGURE 7

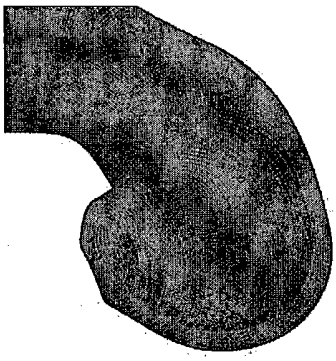

FIGURE 8

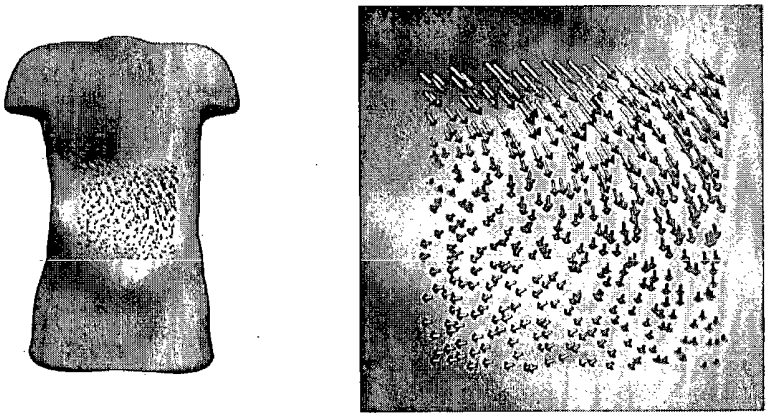

FIGURE 9

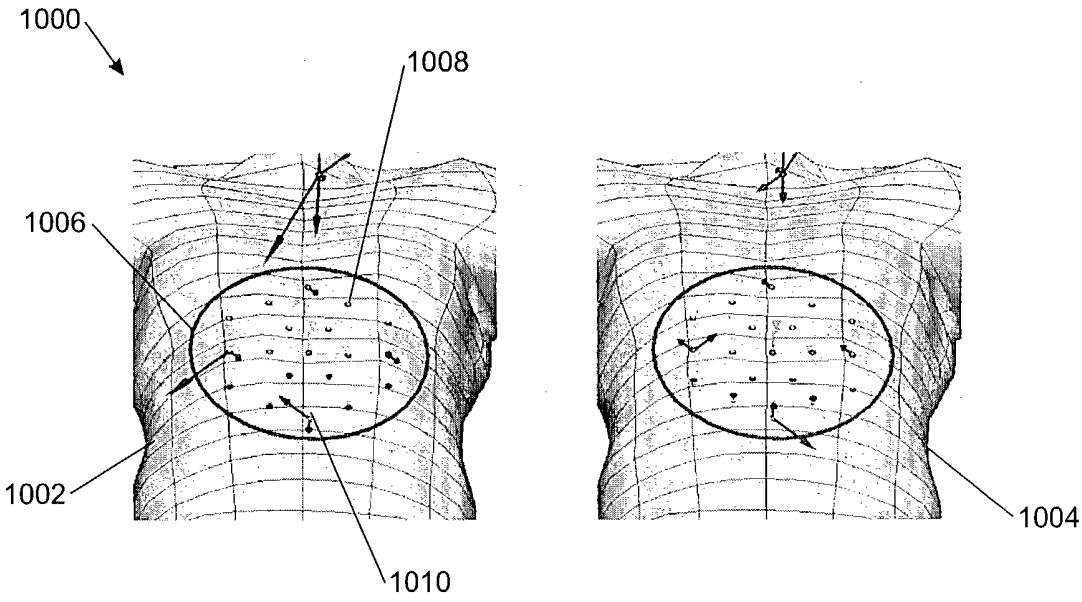

FIGURE 10

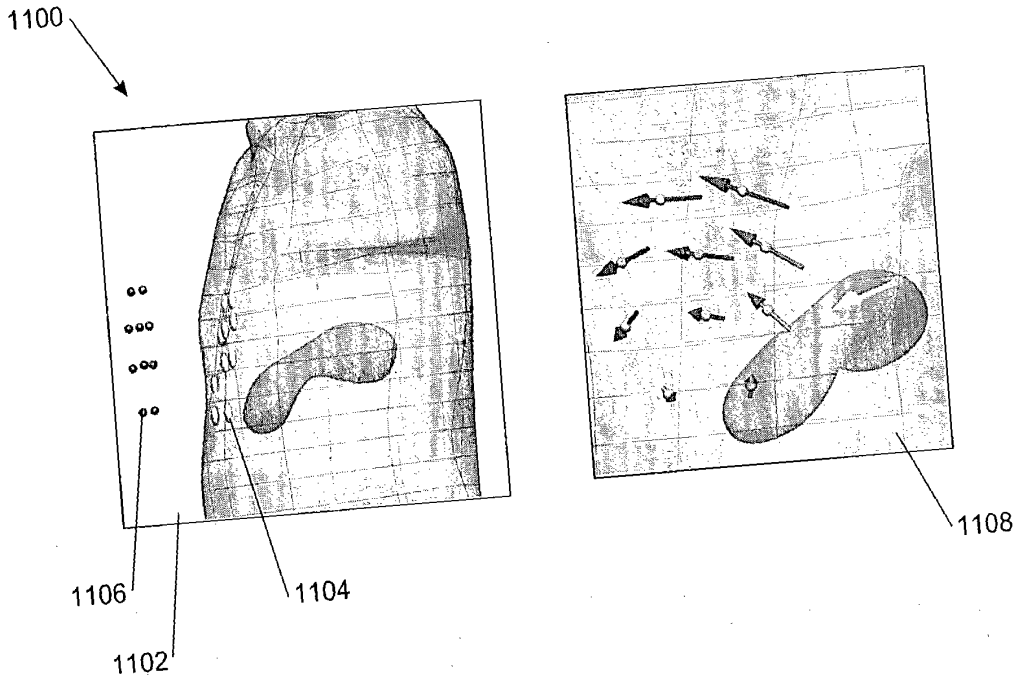

FIGURE 11

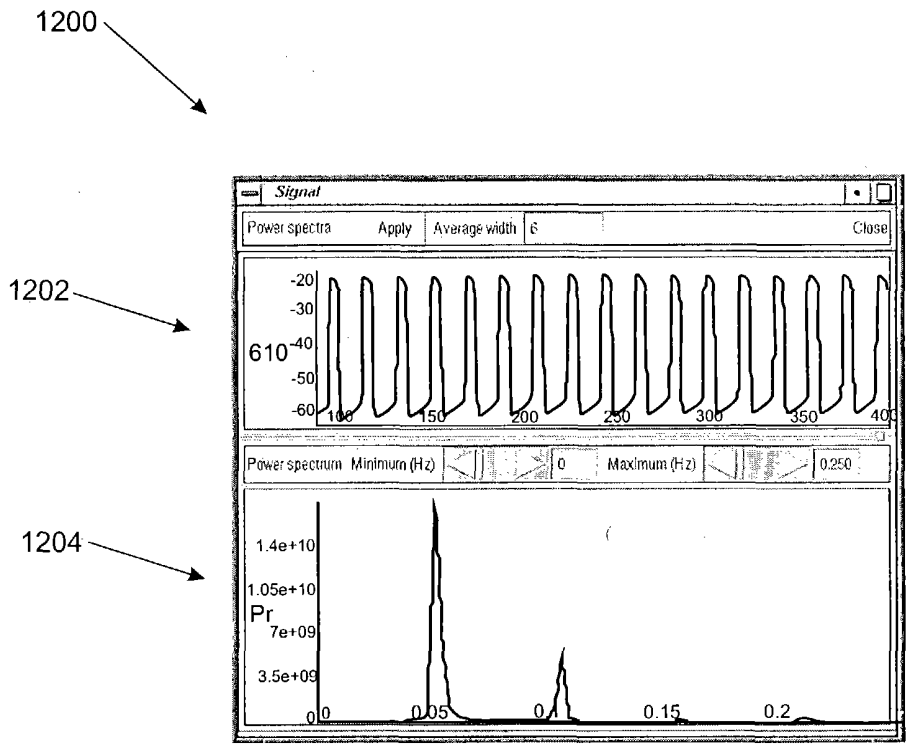
1200
1202
1204
Signal
Power spectra
Apply
Average width
6
Close
-20
-30
610
-40
-50
-60
100
150
200
250
300
350
400
Power spectrum Minimum (Hz)
0
Maximum (Hz)
0.250
1.4e+10
1.05e+10
Pr
7e+09
3.5e+09
0
0
0.05
0.1
0.15
0.2

FIGURE 12

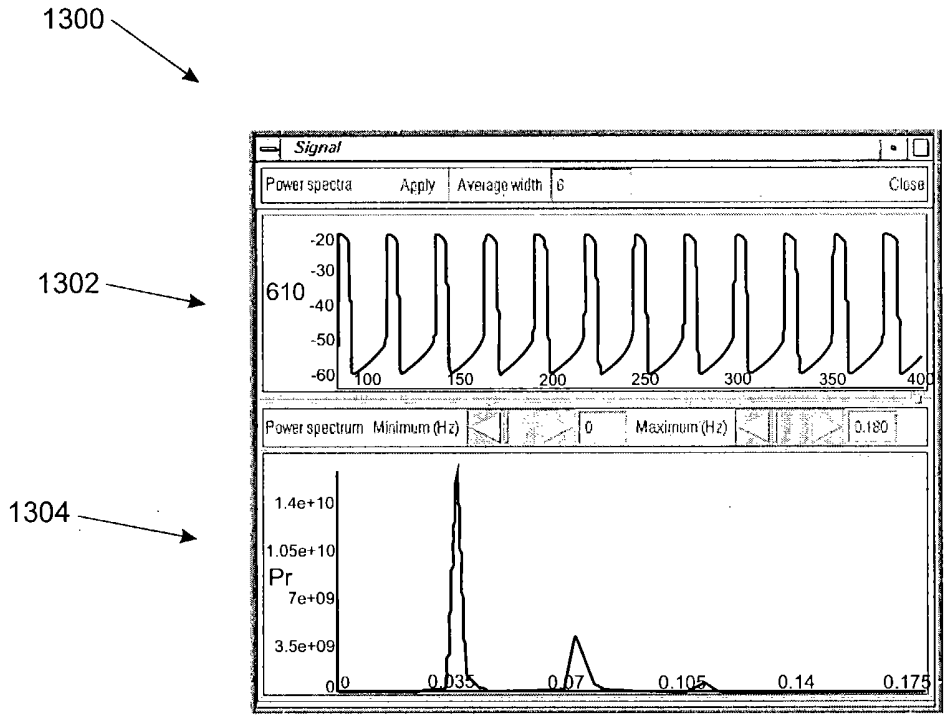
1300
1302
1304
Signal
Power spectra
Apply
Average width
6
Close
610
-20
-30
-40
-50
-60
100
150
200
250
300
350
400
Power spectrum
Minimum (Hz)
0
Maximum (Hz)
0.180
1.4e+10
1.05e+10
Pr
7e+09
3.5e+09
0
0
0.035
0.07
0.105
0.14
0.175

FIGURE 13